

Math 371, Winter 2022, Homework assignments

HW #	Read before class on	Homework due on	Third Edition Section	Third Edition Problems	Second Edition Section	Second Edition Problems
1	N/A	5-Jan	1.1 1.2	7, 10, 9 12, 14	1.1 1.2	5, 7, 9 12abd, 14
2	5-Jan	7-Jan	1.2 1.3	23, 28 28, 30, 32	1.2 1.3	25, 32 18, 20, 23
3	7-Jan	10-Jan	2.1	7, 20, 16, 19, 22	2.1	3, 19, 20, 21, 26
4	10-Jan	12-Jan	2.2	1, 3, 4, 5, 9, 15, 16	2.2	1, 2abc, 3, 9, 10
5	12-Jan	14-Jan	2.3	1, 4, 6, 8, 12	2.3	1, 2, 4, 5, 8
6	14-Jan	19-Jan	3.1	1, 2, 3, 19, 22, 29, 36	3.1	1, 2, 3, 11, 18, 24, 30
7	19-Jan	21-Jan	3.1	5, 21, 26, 35, 39	3.1	5, 17, 22, 29, 31
8	21-Jan	24-Jan	3.2	16, 15, 31, 40, 41	3.2	10, 11, 25, 30, 31
9	24-Jan	26-Jan	3.3	1, 9, 12, 25, 30	3.3	1, 9, 10, 23, 28
10	26-Jan	28-Jan	3.3	16, 17, 27, 31, 35 (E is the even integers)	3.3	14, 15, 25, 29, 33 (E is the even integers)
11	28-Jan	31-Jan	4.1	5, 6, 13, 19, 20	4.1	5, 6, 13, 17, 18
12	31-Jan	2-Feb	4.2	1, 5acef, 6acef, 13, 15	4.2	1, 5acef, 6acef, 13, 15
13	2-Feb	No HW	Review		Review	
14	4-Feb	7-Feb	4.3	2, 9, 10, 12, 15, 22, 23	4.3	2, 9, 10, 12, 21, 22, 23
15	7-Feb	9-Feb	4.4	1, 6, 13, 17, 28, 31	4.4	1, 6, 13, 17, 28, 30
16	9-Feb	11-Feb	4.5 4.6	3, 5, 12 3, 5	4.5 4.6	3, 5, 12 3, 5
17	11-Feb	14-Feb	10.4	2, 4, 6, 7, 12	9.4	2, 4, 6, 7, 12
18	14-Feb	16-Feb	5.1	2, 3, 6, 8, 10, 13	5.1	2, 3, 6, 8, 10, 13
19	16-Feb	18-Feb	5.2	2, 8, 9, 11, 14ab	5.2	2, 8, 9, 11, 14ab
20	18-Feb	22-Feb	5.3	1, 2, 3, 8, 9, 11	5.3	1, 2, 3, 8, 9, 11 (in hint, 2^*0 should be 2^*3)
21	22-Feb	23-Feb	6.1	3, 17, 20, 22, 27	6.1	3, 15, 18, 20, 25
22	24-Feb	25-Feb	6.1 6.2	32, 40, 42 3, 4, 19	6.1 6.2	30, 38, 40 3, 4, 11
23	25-Feb	28-Feb	6.2	5, 10, 12, 22, 27	6.2	5, 12, 14, 24, 29
24	28-Feb	2-Mar	6.3	8, 6, 10, 20, 15	6.3	2, 6, 10, 13, 15
25	2-Mar	No HW	Review		Review	
26	4-Mar	7-Mar	7.1	1, 16, 17, 23, 27	7.1	1, 14, 15, 21, 25
27	7-Mar	9-Mar	7.1	13, 6, 18, 22, 28, 30	7.1	11, 16, 20, 26, 28
28	9-Mar	11-Mar	7.2	16, 24, 32, 34, 37	7.2	14, 22, 30, 32, 35
29	11-Mar	14-Mar	7.3	2, 11, 12, 33, 26, 57, 56	7.3	12, 21, 25, 30, 49
30	14-Mar	16-Mar	7.4	16, 25, 30, 54, 40, 41, 42	7.4	10, 19, 23, 26, 28abc
31	16-Mar	21-Mar	7.5	2, 3, 19, 35, 36	7.9	2, 3, 13, 23, 24
32	21-Mar	23-Mar	8.1	2, 3, 4, 5, 18, 22, 23, 37 (In #23, change "proper subgroups" to "nontrivial proper subgroups".)	7.5	2, 6, 10, 11, 21 (In #11, change "proper subgroups" to "nontrivial proper subgroups".)
33	23-Mar	25-Mar	8.1 8.2	24, 41 6, 7, 14, 17	7.5 7.6	12, 24 6, 7, 14, 15
34	25-Mar	28-Mar	8.2	5, 19, 20, 22, 28	7.6	5, 17, 18, 21, 26
35	28-Mar	30-Mar	8.3	9, 13, 14a, 25bc, 29, 33	7.7	5, 10, 11a, 15, 19, 23
36	30-Mar	1-Apr	8.4	8, 9, 10, 14, 20, 22, 27, 40	7.8	1abde, 6, 10, 14, 24
37	1-Apr	4-Apr	Group Actions	TBA	Group Actions	TBA
38	4-Apr	No HW	Review		Review	
39	6-Apr	8-Apr	9.1	3, 5, 6, 9, 17, 23	8.1	3, 5, 6, 9, 17, 23
40	8-Apr	11-Apr	9.2	3, 7, 8, 9, 19	8.2	3, 7, 8, 9, 19
41	11-Apr	13-Apr	RSA	TBA	RSA	TBA
42	13-Apr	No HW	Review		Review	